

CBCS SCHEME

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16/17MCA42

Fourth Semester MCA Degree Examination, Aug./Sept.2020

Advanced Web Programming

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. How JQuery is structured? (06 Marks)
b. Explain the jQuery event model. (06 Marks)
c. Explain creating the wrapped elements. (04 Marks)

OR

- 2 a. Explain the basic selectors of jQuery with suitable examples. (10 Marks)
b. Explain what you mean by bring pages to life with jQuery. (06 Marks)

Module-2

- 3 a. Explain any three PHP lexical structure with suitable example. (06 Marks)
b. Write a program to accept student information and store in database using PHP form handling. (10 Marks)

OR

- 4 a. Differentiate \$POST and \$GET in PHP with examples. (08 Marks)
b. Explain primitives and operations of PHP. (08 Marks)

Module-3

- 5 a. Explain input and output statements in Ruby with suitable examples. (04 Marks)
b. Write a note on : Ruby methods. (06 Marks)
c. Define MVC application. Write a note on RAILS. (06 Marks)

OR

- 6 a. Explain an example how dynamic documents are generated in Ruby and Rails. (08 Marks)
b. Define Hash variable. Explain hash variable and any two of its associated methods in Ruby. (08 Marks)

Module-4

- 7 a. Discuss how the rich browser experience is made possible. (06 Marks)
b. Write a short note on :
i) Iterative development ii) Social networking and Social media. (10 Marks)

OR

- 8 a. What is Web 2.0? Explain. (04 Marks)
b. Explain REST with sample REST CALL. (06 Marks)
c. Write a note on SOAP and WSDL. (06 Marks)

Module-5

- 9 a. What is D3.js? List and explain the features of D3.js. (08 Marks)
b. Explain the role of D3.js axes component. (08 Marks)

OR

- 10 a. Explain any four d3.js scales. (08 Marks)
b. Write a note on d3.js. (04 Marks)
c. Explain d3.js selects method. (04 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.